

# Converting Colors

$Yxy(48.9985, 0.4068, 0.4318)$

Have a look what the booklet for  
Yxy(48.9985, 0.4068, 0.4318)  
contains.

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# Color

**Yxy(48.9929, 0.4068, 0.4317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3B861
RGB	211, 184, 97
RGB Percent	83%, 72%, 38%
CMY	0.1724, 0.2784, 0.6197
CMYK	0.00, 0.13, 0.54, 0.17
HSL	46°, 56%, 60%
HSV	46°, 54%, 83%
XYZ	46.1670, 48.9929, 18.3284
YIQ	182.1550, 44.0190, -21.3330

# Conversions

## Conversions Part 2

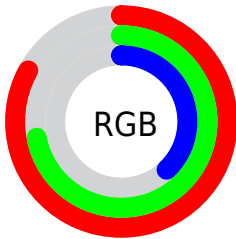
Format	Color
<a href="#">RYB</a>	<a href="#">132, 211, 97</a>
Decimal	<a href="#">13875297</a>
CIELab	<a href="#">75.45, -1.13, 47.24</a>
CIElCh	<a href="#">75, 47.251, 91.370</a>
Yxy	<a href="#">48.9929, 0.4068, 0.4317</a>
Android (android.graphics.Color)	<a href="#">4292065377 (0xFFD3B861)</a>
YUV	<a href="#">182.1550, -41.9814, 25.2971</a>
Hunter-Lab	<a href="#">69.9949, -4.7566, 33.4712</a>

# Details

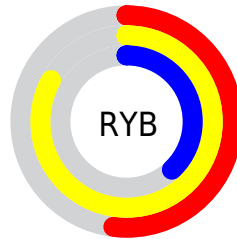
The Yxy color **48.9929, 0.4068, 0.4317** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.6639, 0.2170, 0.1967**, and the grayscale version is **47.0850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7822, 0.3800, 0.4185**, and **23.2999, 0.4288, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **46.6112, 0.4243, 0.4465**, and if you desaturate by 10%, it is **51.5573, 0.3884, 0.4142**.

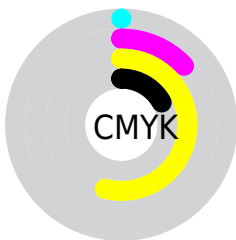
# Distribution



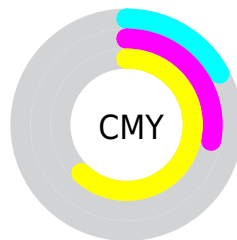
- Red (83%)
- Green (72%)
- Blue (38%)



- Red (52%)
- Yellow (83%)
- Blue (38%)



- Cyan (0%)
- Magenta (13%)
- Yellow (54%)
- Black (17%)




- Cyan (17%)
- Magenta (28%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9929, 0.4068, 0.4317 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.9929, 0.4068, 0.4317 by changing the saturation by 10% instead.





 48.9929, 0.4068,  
0.4317


 48.9929, 0.4068,  
0.4317

382.7144, 0.3622,  
0.3827

 34.6138, 0.4166,  
0.4426


 88.6809, 0.3915,  
0.4148


 23.3656, 0.4282,  
0.4555


 114.7587, 0.3854,  
0.4082

 14.8637, 0.4419,  
0.4709


 145.5048, 0.3802,  
0.4024

 8.7238, 0.4572,  
0.4885

 181.3036, 0.3757,  
0.3975

 4.5614, 0.4825,  
0.5175

222.5396, 0.3717,  
0.3931

 1.9923, 0.4810,  
0.5190

269.5971, 0.3682,

 0.6030, 0.4750,

0.3892

0.5250

322.8606, 0.3650,  
0.3858

0.0000, 0.0000,  
0.0000

48.9929, 0.4068,  
0.4317

48.9929, 0.4068,  
0.4317

46.6112, 0.4243,  
0.4465

51.5573, 0.3884,  
0.4142

44.3962, 0.4401,  
0.4577

54.3059, 0.3699,  
0.3951

42.3394, 0.4535,  
0.4644

57.2486, 0.3518,  
0.3753

40.4283, 0.4639,  
0.4663

60.3924, 0.3347,  
0.3556

39.3461, 0.4690,  
0.4658

63.7438, 0.3188,  
0.3365

■ 67.3092, 0.3042,  
0.3183

■ 71.0942, 0.2909,  
0.3013

■ 74.3890, 0.2850,  
0.2962

■ 77.1173, 0.2853,  
0.3016

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9929, 0.4391, 0.3907



48.9929, 0.4068, 0.4317



48.9929, 0.3510, 0.4480

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.9929, 0.4068, 0.4317



48.9929, 0.2040, 0.2968



48.9929, 0.3280, 0.2556

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.9929, 0.4068, 0.4317



21.6639, 0.2170, 0.1967

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.9929, 0.2653, 0.2327



48.9929, 0.4068, 0.4317



48.9929, 0.1995, 0.2506

# Square

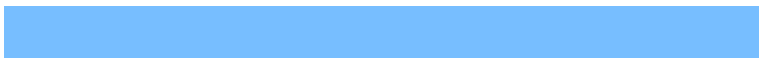
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.9929, 0.4068, 0.4317



48.9929, 0.2348, 0.3623



48.9929, 0.2205, 0.2300



48.9929, 0.3925, 0.2941



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.9929, 0.4068, 0.4317



48.9929, 0.3087, 0.4362



48.9929, 0.2205, 0.2300



48.9929, 0.3059, 0.2460

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.9952, 0.4068, 0.4317



91.6299, 0.3383, 0.3598



23.8927, 0.4300, 0.2946



19.3951, 0.3418, 0.3639



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.9952, 0.4068, 0.4317



70.9515, 0.4271, 0.4487



57.4721, 0.3667, 0.4696



13.3028, 0.3272, 0.3466



23.9036, 0.4681, 0.4665



1.4541, 0.4573, 0.4751



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.6639, 0.2170, 0.1967



24.9344, 0.1963, 0.1632



17.6485, 0.2318, 0.1665



11.8661, 0.2982, 0.3107



4.3485, 0.1576, 0.0873

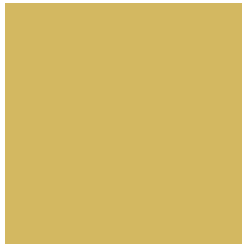


0.3686, 0.1675, 0.1231



# Previews

## White Background



This preview shows how the Yxy color 48.9929, 0.4068, 0.4317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

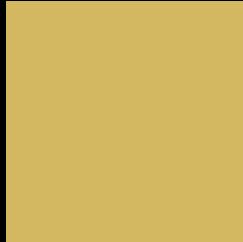
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9929, 0.4068, 0.4317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9929, 0.4068, 0.4317**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9929, 0.4068, 0.4317.

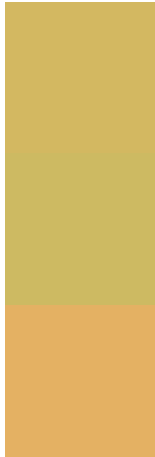


This preview shows how white text looks on a background with the Yxy color 48.9929, 0.4068, 0.4317.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

48.9929, 0.4068, 0.4317

### Protanopia

48.9788, 0.3993, 0.4351

### Deuteranopia

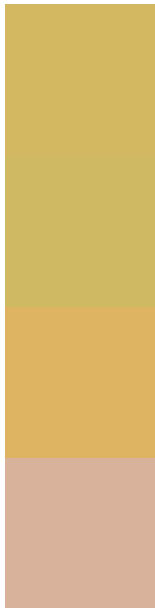
48.8391, 0.4256, 0.4160



## Tritanopia

48.9200, 0.3420, 0.3138

# Trichromacy



## Original Color

48.9929, 0.4068, 0.4317

## Protanomaly

48.8452, 0.4017, 0.4333

## Deuteranomaly

49.0540, 0.4188, 0.4223

## Tritanomaly

48.7728, 0.3677, 0.3581

# Monochromacy



## Original Color

48.9929, 0.4068, 0.4317

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.4388, 0.3476, 0.3705

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9929, 0.4068, 0.4317 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(211, 184, 97)` looks like.

```
.text, #text, p{  
    color:rgb(211, 184, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(211, 184, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 184, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9929, 0.4068, 0.4317 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(211, 184, 97) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(211, 184, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(211, 184, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 184, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 184, 97);  
box-shadow:4px 4px 4px 4px rgb(211, 184,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9929, 0.4068, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 184, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(211,  
184, 97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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